

Action List Optimization Configuration Mode Commands

The action list optimization mode allows you to configure a series of application acceleration and optimization statements. An action list groups a series of individual application acceleration and optimization functions that apply to a specific type of operation. After you enter this command, the system enters the corresponding action list configuration mode.

To access the action list optimization mode, enter the **action-list type optimization http** command. The CLI prompt changes to (config-actlist-optm). To remove an action list optimization selection, use the **no** form of the command. For details about using the commands in the action list optimization mode, see the *Cisco 4700 Series Application Control Engine Appliance Application Acceleration and Optimization Configuration Guide*.

action-list type optimization http *list_name*

no action-list type optimization http *list_name*

Syntax Description

<i>list_name</i>	Name assigned to the action list. Enter a unique name as an unquoted text string with a maximum of 64 alphanumeric characters.
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Command Modes

Configuration mode
Admin and user contexts

Command History

Release	Modification
A1(7)	This command was introduced.

Usage Guidelines

The commands in this mode require the loadbalance feature in your user role. For details about role-based access control (RBAC) and user roles, see the *Cisco 4700 Series Application Control Engine Appliance Virtualization Configuration Guide*.

The **action-list type** command allows you to configure a series of statements. An action list groups a series of individual functions that apply to a specific type of application acceleration and optimization operation. After you enter this command, the system enters the corresponding action list configuration mode.

After you configure the action list, you associate it with a specific statement in a Layer 7 HTTP optimization policy map. The Layer 7 optimization HTTP policy map activates an optimization HTTP action list that allows you to configure the specified optimization actions.

Examples

To create an optimization HTTP action list, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm)#
```

To remove the action list from the configuration, enter:

```
host1/Admin(config)# no action-list type optimization http ACT_LIST1
```

Related Commands

- [show action-list](#)
- [show running-config](#)
- [\(config\) parameter-map type](#)
- [\(config\) policy-map](#)

(config-actlist-optm) appscope

To enable AppScope performance monitoring by the optional Cisco AVS 3180A Management Station for use with the ACE, use the **appscope** command. Use the **no** form of this command to disable the AppScope function from the action list.

appscope

no appscope

Syntax Description This command has no keywords or arguments.

Command Modes Action list optimization mode
Admin and user contexts

Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines The statistical log contains an entry for each ACE optimization request to the server and is used for statistical analysis by the optional Cisco AVS 3180A Management Station. The ACE collects statistical log and sends it to the Cisco AVS 3180A Management Station for loading into the database. For details about the use of the Cisco AVS 3180A Management Station for database, management, and reporting features for the ACE optimization functionality, including AppScope reporting, see the *Cisco 4700 Series Application Control Engine Appliance Application Acceleration and Optimization Configuration Guide*.

To control the AppScope features that measure application acceleration and optimization performance, use the **appscope** commands in parameter map optimization configuration mode. See the “[Parameter Map Optimization Configuration Mode Commands](#)” section for details.

To specify the host (the syslog server on the Management Station) that receives the syslog messages sent by the ACE, use the **logging host** configuration command. See the [\(config\) logging host](#) command. This command allows you to identify the IP address of the Management Station that will be used as the syslog server. You can specify that the host uses either UDP or TCP to send messages to the syslog server.

Examples For example, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm)# appscope
```

To disable the AppScope function from the action list, enter:

```
host1/Admin(config-actlist-optm)# no appscope
```

Related Commands [\(config\) logging host](#)
[\(config-parammap-optmz\) appscope optimize-rate-percent](#)
[\(config-parammap-optmz\) parameter-summary parameter-value-limit](#)
[\(config-parammap-optmz\) request-grouping-string](#)

(config-actlist-optm) cache

To enable cache optimization for the corresponding URLs, use the **cache** command. Use the **no** form of this command to disable the cache function from the action list.

cache {dynamic | forward}

no cache {dynamic | forward}

Syntax Description	dynamic	forward
	Enables Adaptive Dynamic Caching for the corresponding URLs, even if the expiration settings in the response indicate that the content is dynamic. The expiration of cache objects is controlled by the cache expiration settings based on the time or server load (performance assurance).	Enables the cache forward feature for the corresponding URLs. This keyword allows the ACE to serve the object from its cache (static or dynamic) even when the object has expired if the maximum cache TTL time period has not yet expired (set using the cache ttl command in parameter map optimization mode). At the same time, the ACE sends an asynchronous request to the origin server to refresh its cache of the object.

Command Modes Action list optimization mode
Admin and user contexts

Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines You define the ACE cache object key, cache freshness, and cache request/response policy settings by configuring the cache and cache-policy commands in parameter map optimization configuration mode. See “[Parameter Map Optimization Configuration Mode Commands](#)” section for details.

Examples For example, to enable the cache forward feature for the corresponding URLs, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm)# cache forward
```

To disable the cache function from the action list, enter:

```
host1/Admin(config-actlist-optm)# no cache forward
```

Related Commands

- [\(config-parammap-optmz\) cache key-modifier](#)
- [\(config-parammap-optmz\) cache parameter](#)
- [\(config-parammap-optmz\) cache ttl](#)
- [\(config-parammap-optmz\) cache-policy request](#)
- [\(config-parammap-optmz\) cache-policy response](#)

(config-actlist-optm) delta

To enable delta optimization to condense corresponding URLs, use the **delta** command. Use the **no** form of this command to disable delta optimization from the action list.

delta

no delta

Syntax Description This command has no keywords or arguments.

Command Modes Action list optimization mode
Admin and user contexts

Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines This command has no usage guidelines.

Examples For example, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm)# delta
```

To disable delta optimization from the action list, enter:

```
host1/Admin(config-actlist-optm)# no delta
```

Related Commands [\(config-parammap-optmz\) delta](#)

(config-actlist-optm) dynamic etag

To enable just-in-time object acceleration for the corresponding URLs, use the **dynamic etag** command. Use the **no** form of this command to disable just-in-time object acceleration from the action list.

dynamic etag

no dynamic etag

Syntax Description This command has no keywords or arguments.

Command Modes Action list optimization mode
Admin and user contexts

Command History	Release	Modification
	AI(7)	This command was introduced.

Usage Guidelines This command has no usage guidelines.

Examples For example, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm)# dynamic etag
```

To disable just-in-time object acceleration from the action list, enter:

```
host1/Admin(config-actlist-optm)# no dynamic etag
```

Related Commands This command has no related commands.

(config-actlist-optm) flashforward

To enable FlashForward for the corresponding URLs and to transform embedded objects, use the **flashforward** command. Use the **no** form of this command to disable FlashForward from the action list.

flashforward

no flashforward

Syntax Description This command has no keywords or arguments.

Command Modes Action list optimization mode
Admin and user contexts

Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines This command has no usage guidelines.

Examples For example, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm)# flashforward
```

To disable FlashForward from the action list, enter:

```
host1/Admin(config-actlist-optm)# no flashforward
```

Related Commands [\(config-actlist-optm\) flashforward-object](#)
[\(config-parammap-optmz\) flashforward refresh-policy](#)
[\(config-parammap-optmz\) rebase](#)

(config-actlist-optm) flashforward-object

To enable FlashForward static caching for the corresponding URLs, use the **flashforward-object** command. Use the **no** form of this command to disable FlashForward static caching from the action list.

flashforward-object

no flashforward-object

Syntax Description This command has no keywords or arguments.

Command Modes Action list optimization mode
Admin and user contexts

Command History	Release	Modification
	A1(7)	This command was introduced.

Usage Guidelines This command has no usage guidelines.

Examples For example, enter:

```
host1/Admin(config)# action-list type optimization http ACT_LIST1
host1/Admin(config-actlist-optm) # flashforward-object
```

To disable FlashForward static caching from the action list, enter:

```
host1/Admin(config-actlist-optm) # no flashforward-object
```

Related Commands

- [\(config-actlist-optm\) flashforward](#)
- [\(config-parammap-optmz\) flashforward refresh-policy](#)
- [\(config-parammap-optmz\) rebase](#)